





in response to determining that the particular entity is present within a horizontally linked list linking at least a subset of the plurality of entities in at least in a descending rank order direction, the subset including the particular entity, delinking the particular entity from the horizontally linked list; and,

5 in response to determining that an array entry of a plurality of array entries of an array over which the plurality of ranks are distributed points to the particular entity, adjusting the array entry to point to one of null and another one of the plurality of entities.

11. The method of claim 10, wherein the array entry has a corresponding range of ranks, and adjusting the array entry to point to one of null and another one of the plurality of  
10 entities comprises, in response to determining that the particular entity was present within the vertically linked list, adjusting the array entry to point to a next entity within the vertically linked list.

12. The method of claim 11, wherein adjusting the array entry to point to one of null and another one of the plurality of entries further comprises, otherwise, in response to  
15 determining that the particular entity was present within the horizontally linked list, and that the rank of a next entity within the horizontally linked list is within the corresponding range of ranks for the array entry, adjusting the array entry to point to the next entity within the horizontally linked list.

13. The method of claim 12, wherein adjusting the array entry to point to one of null and  
20 another one of the plurality of entries further comprises, otherwise, adjusting the array entry to point to null.





21. The method of claim 19, wherein each entity of the plurality of entities is a thread, the rank of the entity is a priority for the thread, and the array is a priority queue.

22. The method of claim 19, wherein the method is performed by execution of a computer program stored on a machine-readable medium by a processor.

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